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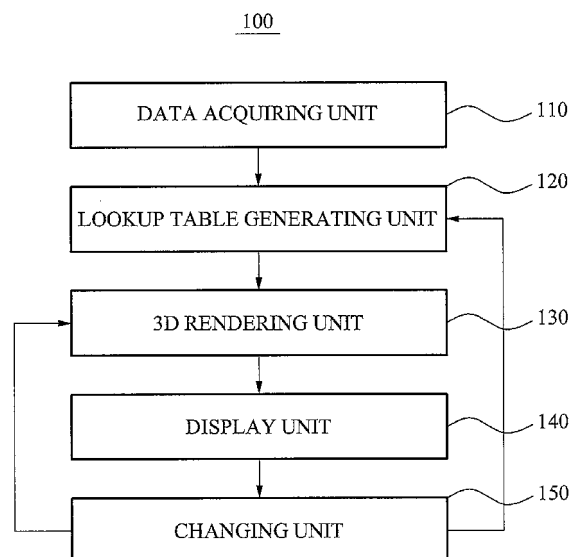
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(54) **Ultrasound system having variable lookup table and method for managing variable lookup table**

(57) Disclosed is an ultrasound system including a variable lookup table. The ultrasound system includes the variable lookup table, a data acquiring unit to acquire ultrasound data, a lookup table generating unit to gener-

ate a variable lookup table according to the acquired ultrasound data, a three-dimensional (3D) rendering unit to perform 3D rendering with reference to the generated variable lookup table, and a display unit to display the 3D rendering result.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JOHNNY KUO ET AL: "Interactive volume rendering of real-time three-dimensional ultrasound images", IEEE TRANSACTIONS ON ULTRASONICS, FERROELECTRICS AND FREQUENCY CONTROL, IEEE, US, vol. 54, no. 2, 1 February 2007 (2007-02-01), pages 313-318, XP011168521, ISSN: 0885-3010, DOI: 10.1109/TUFFC.2007.245 * page 313, right-hand column, line 31 - line 33 * * page 314, left-hand column, line 17 - line 35 * * page 315, left-hand column, line 4 - right-hand column, line 11 * * page 316, left-hand column, line 1 - line 18 * * page 316, right-hand column, line 10 - line 12 *	1-11	INV. G01S15/89 G01S7/52 G06T15/08 A61B8/00
X	US 6 193 661 B1 (CLARK DAVID W [US] ET AL) 27 February 2001 (2001-02-27) * abstract; figures 1, 2 * * column 6, line 9 - line 25 *	1-11	TECHNICAL FIELDS SEARCHED (IPC) G01S A61B G06T
A	US 2004/147841 A1 (MCLAUGHLIN GLEN [US] ET AL) 29 July 2004 (2004-07-29) * figures 11A, 11B, 12B * * paragraph [0096] - paragraph [0101] * * paragraph [0130] *	1-11	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 November 2012	Examiner Knoll, Bernhard
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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22-11-2012

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